Environmental Pollution **61** (1989) 395–396

CONTENTS OF VOLUME 61

Number 1

Special Issue on Air Pollution Effects on Vegetation

Foreword 1

A Multivariate, Time Series Model to Relate Alfalfa Responses to Chronic, Ambient Sulfur Dioxide Exposures 3
SAGAR V. KRUPA (USA) & MILOSLAV NOSAL (Canada)

Photochemical Oxidant Pollution and Vegetation: Effects of Mixtures of Gases, Fog and Particles 11
D. M. OLSZYK, A. BYTNEROWICZ & B. K. TAKEMOTO (USA)

Two Methods to Determine Plant Responses to Pollutant Mixtures . . . 31
ARTHUR H. CHAPPELKA & BORIS I. CHEVONE (USA)

Yields of Field-Grown Soybeans Exposed to Simulated Acidic Deposition . 47
LANCE S. EVANS, KEITH F. LEWIN, KAREN A. SANTUCCI & ELIZABETH M. OWEN (USA)

Chernoff–Flury Faces: A Statistical Means for Representing Multivariate Response Parameters of Air Pollution Induced Injury on Plants 59
D. H. SCHWELA & G. H. M. KRAUSE (FRG)

Number 2

Boron Toxicity in the Rare Serpentine Plant, *Streptanthus morrisonii* . . . 77
R. F. SAGE, S. L. USTIN & S. J. MANNING (USA)

The Role of Arginine Decarboxylase in Modulating the Sensitivity of Barley to Ozone 95
AMANDA J. ROWLAND-BAMFORD, ANNE M. BORLAND, PETER J. LEA & TERENCE A. MANSFIELD (UK)

Interactive Effects of Aluminum, Phosphorus and Mycorrhizae on Growth and Nutrient Uptake of *Panicum virgatum* L. (Poaceae) 107
SHARI D. KOSLOWSKY & RALPH E. J. BOERNER (USA)

Environ. Pollut. (**61**) (1989)—© 1989 Elsevier Science Publishers Ltd, England. Printed in Great Britain

The Environmental Dynamics of the Carbamate Insecticide Aldicarb in Soil and Water 127
F. L. MINK, J. F. RISHER & J. F. STARA (USA)

Effects of DDT on the Growth of Crop Plants 157
J. MITRA & K. RAGHU (India)

Book Reviews 171

Number 3

Simulation of Effects of Atmospheric Ethylene on Tree Leaf Shedding . . 173
SHINICHI SAWADA, YOSHIHIRO HAZAMA,
TSUYOSHI HAYAKAWA & TSUMUGU TOTSUKA (Japan)

Uptake and Intracellular Compartmentation of Thorium in *Saccharomyces cerevisiae* 187
GEOFFREY M. GADD & CHRISTOPHER WHITE (UK)

Relationships Among Trihalomethane Formation Potential, Organic Carbon and Lake Enrichment 199
JOSEPH A. ARRUDA & CARLA H. FROMM (USA)

Changes in Concentration of Lead and Cadmium in Water from Three Rivers in Derbyshire 211
PETER E. T. DOUBEN (UK)

Residues of Phosphamidon in Rice Fields 227
S. R. D. JEBAKUMAR (India), N. KANNAN (Japan),
B. R. SUBRAMANIAN & J. JAYARAMAN (India)

Trace Elements and Chlorinated Hydrocarbons in Eggs of *Pelecanus crispus*, a World Endangered Bird Species Nesting at Lake Mikri Prespa, North-western Greece 235
A. J. CRIVELLI (France), S. FOCARDI, C. FOSSI, C. LEONZIO,
A. MASSI & A. RENZONI (Italy)

Radiocaesium from Chernobyl in Swedish Moose 249
KARL J. JOHANSON & ROGER BERGSTRÖM (Sweden)

Book Reviews 261

Number 4

Special Issue

The Greenhouse Effect: Impacts of Ultraviolet-B (UV-B) Radiation, Carbon Dioxide (CO_2), and Ozone (O_3) on Vegetation 263
S. V. KRUPA & R. N. KICKERT (USA)